

Preparation:

PRE

Start: BRN=6151186 1-<4-(benzyloxy)benzoyl>-2-(cyanoethyl)hydrazine,
BRN=605439 chloroacetyl chloride

Time: 30 min

Yield: 64.00 %

Solv: CHCl₃

Heating

Reference(s):

1. Mazouz, Fathi; Gueddari, Salah; Burstein, Claude; Mansuy, Daniel;
Milcent, Rene, J.Med.Chem., 36 <1993> 9, 1157-1167, LA: EN, CODEN:
JMCMAR

L8 ANSWER 17 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6024740 Beilstein

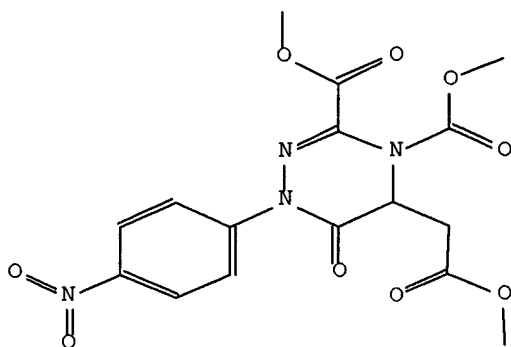
Molecular Formula (MF): C₁₆ H₁₆ N₄ O₉

Autonom Name (AUN): 5-methoxycarbonylmethyl-1-(4-nitro-phenyl)-6-oxo-
5,6-dihydro-1H-<1,2,4>triazine-3,4-dicarboxylic
acid dimethyl ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 408.32

Lawson Number (LN): 30263; 16436; 1762; 289



Preparation:

PRE

Start: BRN=6020282 C16H16N4O9

Reag: NaH

Time: 3 hour(s)

Yield: 40.00 %

Solv: dimethylformamide

Temp: -5.0 - 0.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

EN,

CODEN: BSCBAG

L8 ANSWER 18 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6023889 Beilstein

Molecular Formula (MF): C22 H19 Cl2 N3 O6

Autonom Name (AUN): 1-(4-chloro-2-(2-chloro-benzoyl)-phenyl)-6-oxo-5,6-

dihydro-1H-<1,2,4>triazine-3,4-dicarboxylic acid diethyl ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 492.31

Lawson Number (LN): 30251; 16491; 1762; 298

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Preparation:

PRE

Start: BRN=6025478 C22H20Cl3N3O6

Reag: NaH

Time: 3 hour(s)

Yield: 72.00 %

Solv: dimethylformamide

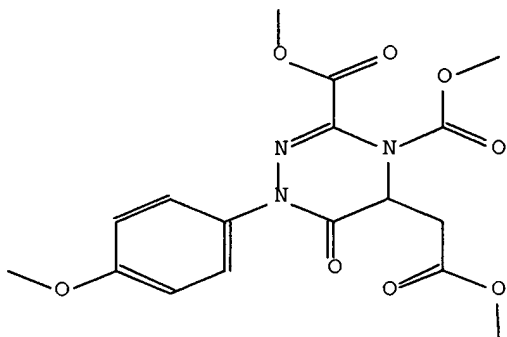
Temp: 10.0 - 20.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:
EN,
CODEN: BSCBAG

L8 ANSWER 19 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6020234 Beilstein
Molecular Formula (MF): C17 H19 N3 O8
Autonom Name (AUN): 5-methoxycarbonylmethyl-1-(4-methoxy-phenyl)-6-
oxo-
5,6-dihydro-1H-<1,2,4>triazine-3,4-dicarboxylic
acid dimethyl ester
Beilstein Reference (SO): 6-26
Formula Weight (FW): 393.35
Lawson Number (LN): 30263; 16468; 1762; 289



Preparation:

PRE

Start: BRN=6012613 C17H19N3O8

Reag: NaH

Time: 3 hour(s)

Yield: 84.00 %

Solv: dimethylformamide

Temp: -5.0 - 0.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

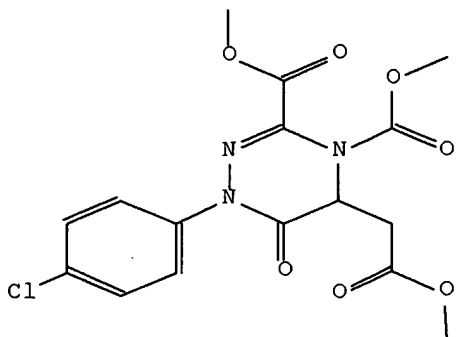
EN,

CODEN: BSCBAG

L8 ANSWER 20 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6019299 Beilstein
Molecular Formula (MF): C16 H16 Cl N3 O7
Autonom Name (AUN): 1-(4-chloro-phenyl)-5-methoxycarbonylmethyl-6-
oxo-
5,6-dihydro-1H-<1,2,4>triazine-3,4-dicarboxylic
acid dimethyl ester
Beilstein Reference (SO): 6-26

Formula Weight (FW): 397.77
Lawson Number (LN): 30263; 16436; 1762; 289



Preparation:

PRE

Start: BRN=6011404 C16H16ClN3O7

Reag: NaH

Time: 3 hour(s)

Yield: 83.00 %

Solv: dimethylformamide

Temp: -5.0 - 0.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

EN,

CODEN: BSCBAG

L8 ANSWER 21 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6017648 Beilstein

Molecular Formula (MF): C17 H19 N3 O7

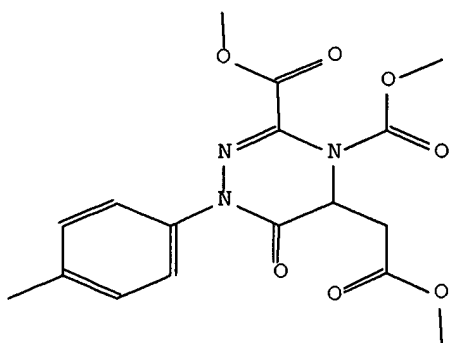
Autonom Name (AUN): 5-methoxycarbonylmethyl-6-oxo-1-p-tolyl-5,6-dihydro-

1H-<1,2,4>triazine-3,4-dicarboxylic acid dimethyl ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 377.35

Lawson Number (LN): 30263; 16445; 1762; 289



Preparation:

PRE

Start: BRN=6007843 C17H19N3O7

Reag: NaH

Time: 3 hour(s)

Yield: 78.00 %

Solv: dimethylformamide

Temp: -5.0 - 0.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

EN,

CODEN: BSCBAG

L8 ANSWER 22 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6014724 Beilstein

Molecular Formula (MF): C16 H17 N3 O7

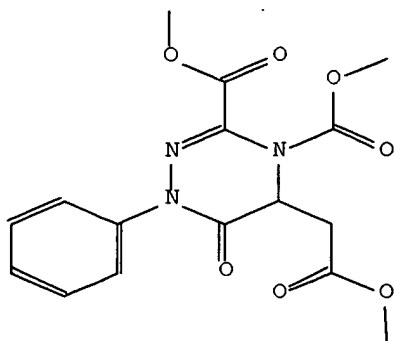
Autonom Name (AUN): 5-methoxycarbonylmethyl-6-oxo-1-phenyl-5,6-dihydro-

1H-<1,2,4>triazine-3,4-dicarboxylic acid dimethyl ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 363.33

Lawson Number (LN): 30263; 16435; 1762; 289



Preparation:

PRE

Start: BRN=6005864 C16H17N3O7

Reag: NaH

Time: 3 hour(s)

Yield: 81.00 %

Solv: dimethylformamide

Temp: -5.0 - 0.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

EN,

CODEN: BSCBAG

L8 ANSWER 23 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 6005772 Beilstein

Molecular Formula (MF): C15 H16 Cl N3 O5

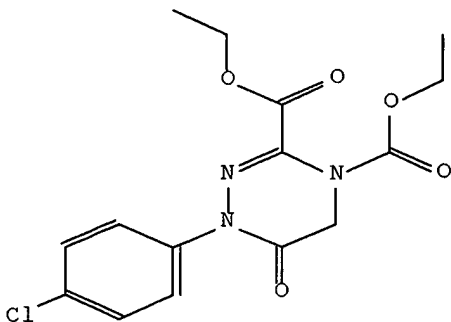
Autonom Name (AUN): 1-(4-chloro-phenyl)-6-oxo-5,6-dihydro-1H-
<1,2,4>triazine-3,4-dicarboxylic acid diethyl

ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 353.76

Lawson Number (LN): 30251; 16436; 1762; 298



Preparation:

PRE

Start: BRN=6003686 C15H17Cl2N3O5

Reag: NaH

Time: 3 hour(s)

Yield: 60.00 %

Solv: dimethylformamide

Temp: 10.0 - 20.0 Cel

Reference(s):

1. Heckendorn, Roland, Bull.Soc.Chim.Belg., 95 <1986> 11, 921-944, LA:

EN,

CODEN: BSCBAG

L8 ANSWER 24 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 4209836 Beilstein

Molecular Formula (MF): C19 H19 N3 O4

Autonom Name (AUN): 1-(4-methoxy-phenyl)-6-oxo-4-phenyl-1,4,5,6-tetrahydro-<1,2,4>triazine-3-carboxylic acid

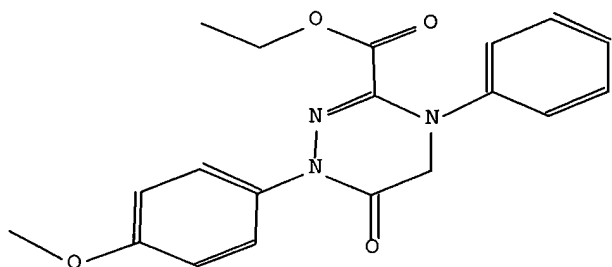
ethyl

ester

Beilstein Reference (SO): 6-26

Formula Weight (FW): 353.38

Lawson Number (LN): 30251; 16468; 14131; 298; 289



Preparation:

PRE

Start: BRN=4215983 Diethyl 2-(2-chloro-N-phenylacetamido)-2-(4-methoxyphenyl)azo>malonate

Reag: NaOEt

Solv: ethanol

Detail: 1.) 10 deg C, 2.) 1 h, 0 deg C

ByProd: BRN=4209898 Ethyl 1,4,5,6-tetrahydro-1-(4-methoxyphenyl)-5-oxo-

4-

phenyl-1,2,4-triazine-3-carboxylate

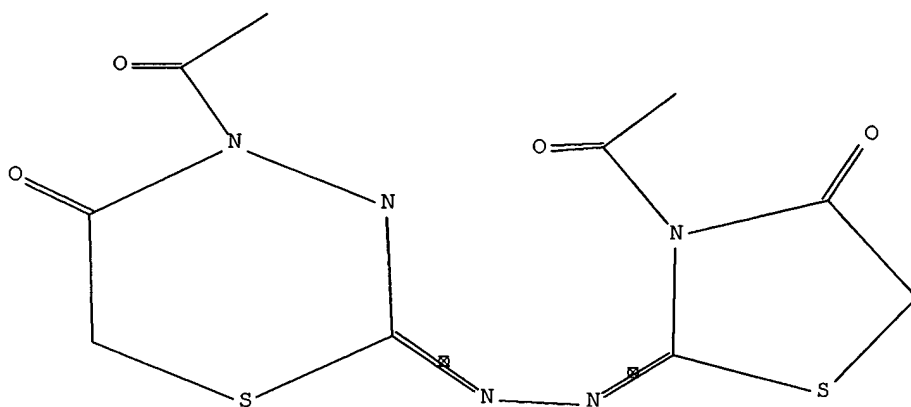
Reference(s):

1. Heckendorn, Roland, Helv.Chim.Acta, 73 <1990> 6, 1700-1718, LA: EN,

CODEN: HCACAV

Note(s):

Beilstein Reg. No. (BRN): 1090425 Beilstein
 Molecular Formula (MF): C10 H11 N5 O4 S2
 Autonom Name (AUN): 4-acetyl-2-<(3-acetyl-4-oxo-thiazolidin-2-ylidene)-
 hydrazono>-<1,3,4>thiadiazinan-5-one
 Beilstein Reference (SO): 5-27
 General Comments (NTE): Stereo compound
 Formula Weight (FW): 329.35
 Lawson Number (LN): 32124; 31241; 1155



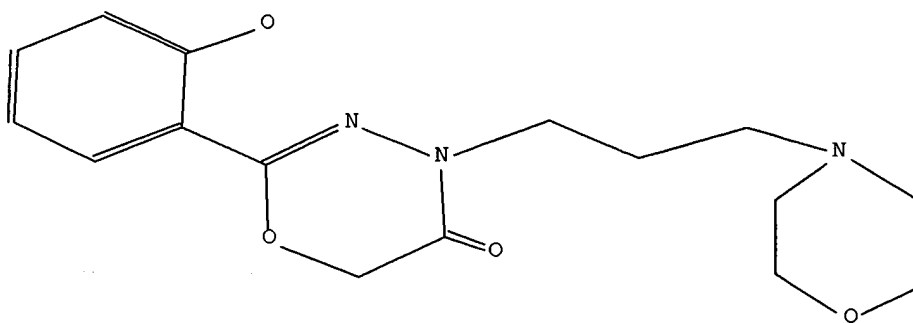
Preparation:
 PRE

Reference(s):

1. Bulka et al., Rev.Chim.Acad.Repub.Pop.Roum., 7 <1962>, 725, CODEN: RCHRAH
Chem. Abstr., 611964, 5650g

L8 ANSWER 34 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 1029133 Beilstein
 Molecular Formula (MF): C16 H21 N3 O4
 Chemical Name (CN): 2-(2-hydroxy-phenyl)-4-(3-morpholin-4-yl-propyl)-
 4H-<1,3,4>oxadiazin-5-one
 Autonom Name (AUN): 2-(2-hydroxy-phenyl)-4-(3-morpholin-4-yl-propyl)-
 4H-<1,3,4>oxadiazin-5-one
 Beilstein Reference (SO): 5-27
 Formula Weight (FW): 319.36
 Lawson Number (LN): 32173; 30824; 3707



Preparation:

PRE

Start: BRN=1002536 C₁₂H₁₃ClN₂O₃, BRN=102549 morpholine

Reference(s):

1. Sicardi, S.M. et al., J.Pharm.Sci., 63 <1974>, 1336-1337, LA: EN,

CODEN:

JPMSAE

L8 ANSWER 35 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 550386 Beilstein

Molecular Formula (MF): C₁₈ H₁₈ N₂ O₂

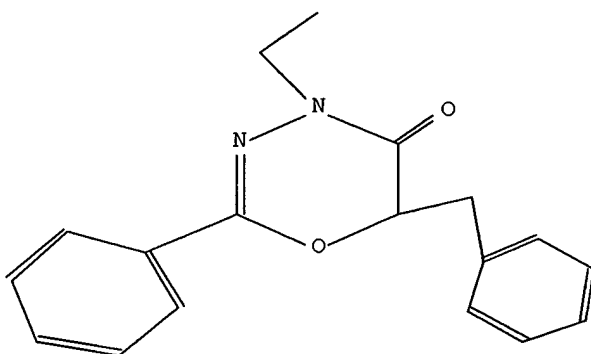
Chemical Name (CN): 6-benzyl-4-ethyl-2-phenyl-4H-<1,3,4>oxadiazin-5-one

Autonom Name (AUN): 6-benzyl-4-ethyl-2-phenyl-4H-<1,3,4>oxadiazin-5-one

Beilstein Reference (SO): 5-27

Formula Weight (FW): 294.35

Lawson Number (LN): 32113; 3642



Preparation:

PRE

Start: BRN=5421554 C₁₀H₁₁N₂O(1+)*BF₄(1-), BRN=2128390

phenylacetyl-phosphonic acid diethyl ester

Detail: (i) Et₃N, DMF, (ii) aq. NaOH

Reference(s):

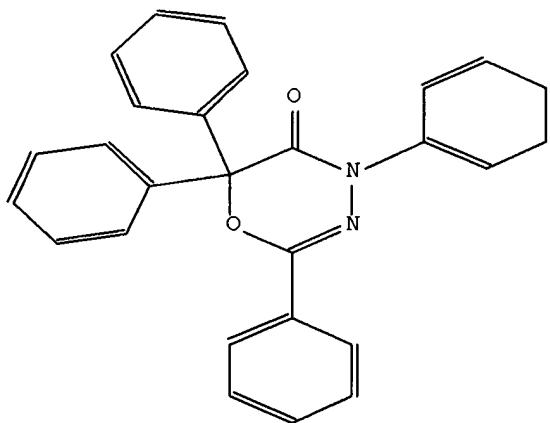
1. Takamizawa, A.; Sato, H., Chem. Pharm. Bull., 23 <1975>, 948-954, LA: EN, CODEN: CPBTAL

Note(s):

2. Multistep reaction

L8 ANSWER 36 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 345708 Beilstein
Molecular Formula (MF): C₂₇ H₂₀ N₂ O₂
Chemical Name (CN): tetraphenyl-4H-<1,3,4>oxadiazin-5-one
Tetraphenyl-4H-<1,3,4>oxadiazin-5-on
Autonom Name (AUN): 2,4,6,6-tetraphenyl-4H-<1,3,4>oxadiazin-5-one
Beilstein Reference (SO): 2-27-00-00747
Formula Weight (FW): 404.47
Lawson Number (LN): 32116; 16435



Preparation:

PRE

Start: BRN=981727 diphenylchloroacetyl chloride, BRN=745210
.beta.-benzoyl-phenylhydrazine

Reag: benzene

Reference(s):

1. van Alphen, Recl. Trav. Chim. Pays-Bas, 48 <1929>, 169, CODEN: RTCPA3

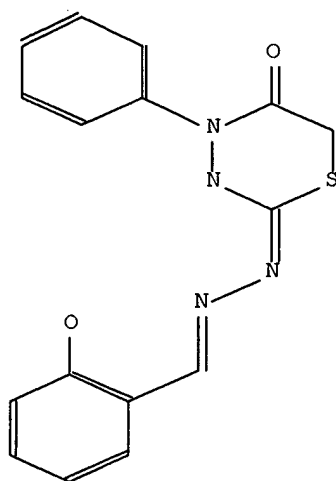
Note(s):

2. Handbook Data

L8 ANSWER 37 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 327902 Beilstein
Molecular Formula (MF): C₁₆ H₁₄ N₄ O₂ S

Chemical Name (CN): 4-phenyl-dihydro-<1,3,4>thiadiazin-2,5-dione-2-salicylidenehydrazone
 4-Phenyl-dihydro-<1,3,4>thiadiazin-2,5-dion-2-salicylidenhydrazon
 Autonom Name (AUN): 2-<(2-hydroxy-benzylidene)-hydrazono>-4-phenyl-<1,3,4>thiadiazinan-5-one
 Beilstein Reference (SO): 2-27-00-00762
 Formula Weight (FW): 326.37
 Lawson Number (LN): 32124; 16435; 8629



Preparation:

PRE

Start: BRN=3395770 salicylaldehyde-<5-phenyl-thio carbohydrazone>,
 BRN=506455 chloroacetic acid ester

Reag: alcohol

Reference(s):

1. Guha; Roy-Choudhury, J.Indian Chem.Soc., 5 <1928>, 160, CODEN: JICSAH
 Centralblatt, 1928 II, 990

Note(s):

2. Handbook Data

L8 ANSWER 38 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 311247 Beilstein
 Molecular Formula (MF): C17 H15 N3 O3
 Chemical Name (CN): acetic acid-<4-(5-oxo-4-phenyl-5,6-dihydro-4H-<1,3,4>oxadiazin-2-yl)-anilide>
 Essigsaeure-<4-(5-oxo-4-phenyl-5,6-dihydro-4H-<1,3,4>oxadiazin-2-yl)-anilid>
 Autonom Name (AUN): N-<4-(5-oxo-4-phenyl-5,6-dihydro-4H-<1,3,4>oxadiazin-2-yl)-phenyl>-acetamide
 Beilstein Reference (SO): 4-27-00-08194

Formula Weight (FW): 309.32
Lawson Number (LN): 32269; 16435; 1155

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Preparation:

PRE

Start: BRN=258699 2-<4-amino-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-one,

BRN=385737 acetic acid anhydride

Reference(s):

1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 331, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 39 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 306914 Beilstein

Molecular Formula (MF): C15 H11 N3 O4

Chemical Name (CN): 2-<4-nitro-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-

one

5-

2-<4-Nitro-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-

on

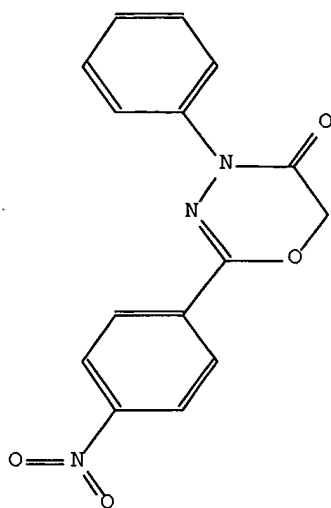
Autonom Name (AUN): 2-(4-nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-

one

Beilstein Reference (SO): 4-27-00-07489

Formula Weight (FW): 297.27

Lawson Number (LN): 32109; 16435



Preparation:

PRE

Detail: BRN=261838

Reference(s):

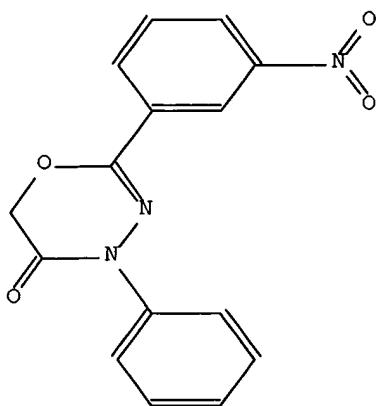
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 40 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN):	306766 Beilstein
Molecular Formula (MF):	C15 H11 N3 O4
Chemical Name (CN):	2-(3-nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-
	one
	2-(3-Nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-
	5-
	on
Autonom Name (AUN):	2-(3-nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-
	5-
	one
Beilstein Reference (SO):	4-27-00-07489
Formula Weight (FW):	297.27
Lawson Number (LN):	32109; 16435



Preparation:

PRE

Detail: BRN=261838

Reference(s):

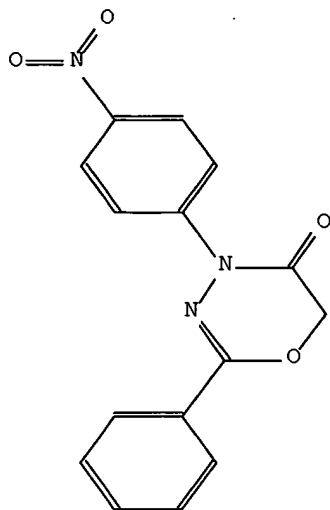
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 41 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN):	306758	Beilstein
Molecular Formula (MF):	C15	H11 N3 O4
Chemical Name (CN):	4-<4-nitro-phenyl>-2-phenyl-4H-<1,3,4>oxadiazin-	
5-	one	
	4-<4-Nitro-phenyl>-2-phenyl-4H-<1,3,4>oxadiazin-	
5-	on	
Autonom Name (AUN):	4-(4-nitro-phenyl)-2-phenyl-4H-<1,3,4>oxadiazin-	
5-	one	
Beilstein Reference (SO):	4-27-00-07489	
Formula Weight (FW):	297.27	
Lawson Number (LN):	32108; 16436	



Preparation:

PRE

Detail: BRN=261838

Reference(s):

1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 42 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 303197 Beilstein

Molecular Formula (MF): C15 H11 N3 O4

Chemical Name (CN): 2-(2-nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-

one

2-(2-Nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-

5-

on

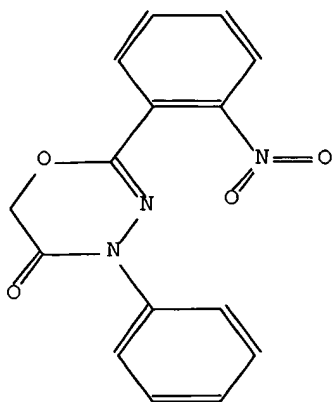
Autonom Name (AUN): 2-(2-nitro-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-

one

Beilstein Reference (SO): 4-27-00-07489

Formula Weight (FW): 297.27

Lawson Number (LN): 32109; 16435



Preparation:

PRE

Detail: BRN=261838

Reference(s):

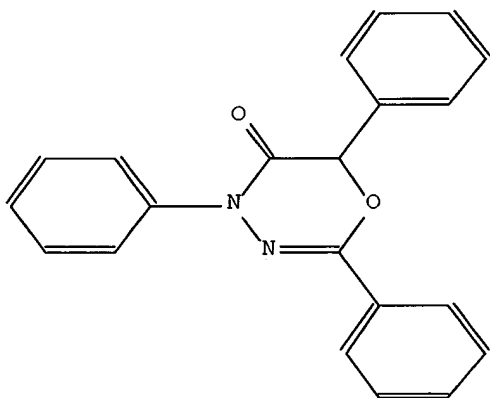
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 43 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 300442 Beilstein
 Molecular Formula (MF): C₂₁ H₁₆ N₂ O₂
 Chemical Name (CN): 2,4,6-triphenyl-4H-<1,3,4>oxadiazin-5-one
 2,4,6-Triphenyl-4H-<1,3,4>oxadiazin-5-on
 Autonom Name (AUN): 2,4,6-triphenyl-4H-<1,3,4>oxadiazin-5-one
 Beilstein Reference (SO): 2-27-00-00718
 Formula Weight (FW): 328.37
 Lawson Number (LN): 32112; 16435



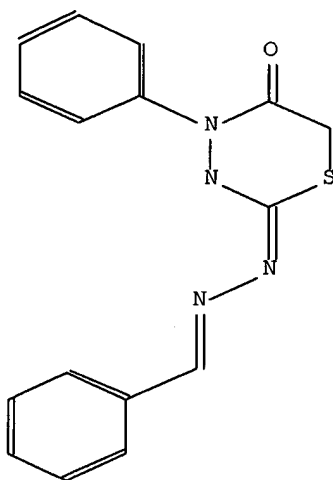
Preparation:

PRE

Start: BRN=3445600 .beta.-benzoyl-.alpha.-<.alpha.-chloro-phenacetyl>-phenylhydrazine
Reag: potassium carbonate, acetone
Temp: 100.0 Cel
Detail: im Rohr
Reference(s):
1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 167, CODEN: RTCPA3
Note(s):
2. Handbook Data

L8 ANSWER 44 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 294466 Beilstein
Molecular Formula (MF): C16 H14 N4 O S
Chemical Name (CN): 4-phenyl-dihydro-<1,3,4>thiadiazin-2,5-dione-2-benzylidenehydrazone
4-Phenyl-dihydro-<1,3,4>thiadiazin-2,5-dion-2-benzylidenhydrazon
Autonom Name (AUN): 2-(benzylidene-hydrazono)-4-phenyl-<1,3,4>thiadiazinan-5-one
Beilstein Reference (SO): 2-27-00-00762
Formula Weight (FW): 310.37
Lawson Number (LN): 32124; 16435; 7132



Preparation:

PRE

Start: BRN=217557 4-phenyl-dihydro-<1,3,4>thiadiazin-2,5-dione-2-hydrazone, BRN=471223 benzaldehyde

Detail: (Praeparat a)

Reference(s):

1. Guha; Roy-Choudhury, J.Indian Chem.Soc., 5 <1928>, 160, CODEN: JICSAH
Centralblatt, 1928 II, 990

Note(s):

2. Handbook Data

PRE

Start: BRN=1843322 benzaldehyde-<5-phenyl-thio carbohydrazone>,
BRN=506455 chloroacetic acid ester

Reag: alcohol

Detail: (Praeparat b)

Reference(s):

1. Guha; Roy-Choudhury, J.Indian Chem.Soc., 5 <1928>, 161, CODEN: JICSAH
Centralblatt, 1928 II, 990

Note(s):

2. Handbook Data

L8 ANSWER 45 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 266277 Beilstein

Molecular Formula (MF): C17 H16 N2 O2

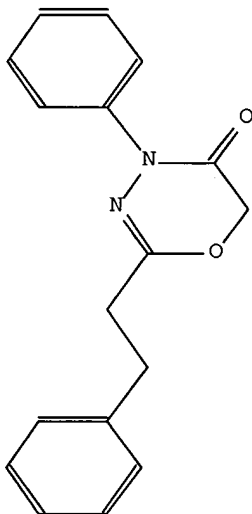
Chemical Name (CN): 2-phenethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
2-Phenaethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-on

Autonom Name (AUN): 2-phenethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Beilstein Reference (SO): 2-27-00-00712

Formula Weight (FW): 280.33

Lawson Number (LN): 32110; 16435



Preparation:

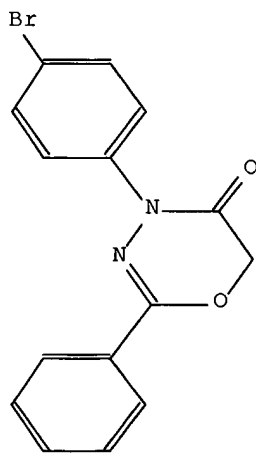
PRE

Start: BRN=3325380 hydrocinnamic acid phenylhydrazide, BRN=605439

chloroacetyl chloride
Reag: benzene
Detail: Erhitzen des Reaktionsprodukts mit Kaliumcarbonat in Aceton im
Rohr auf 100grad
Reference(s):
1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 169, CODEN: RTCPA3
Note(s):
2. Handbook Data

L8 ANSWER 46 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 261838 Beilstein
Molecular Formula (MF): C15 H11 Br N2 O2
Chemical Name (CN): 4-(4-bromo-phenyl)-2-phenyl-4H-<1,3,4>oxadiazin-5-
one
4-(4-Brom-phenyl)-2-phenyl-4H-<1,3,4>oxadiazin-5-
on
Autonom Name (AUN): 4-(4-bromo-phenyl)-2-phenyl-4H-<1,3,4>oxadiazin-5-
one
Beilstein Reference (SO): 4-27-00-07489
Formula Weight (FW): 331.17
Lawson Number (LN): 32108; 16436



Preparation:

PRE

Start: BRN=3417297 N'-benzoyl-N-(4-bromo-phenyl)-N-chloroacetyl-
hydrazine

Reag: K2CO3

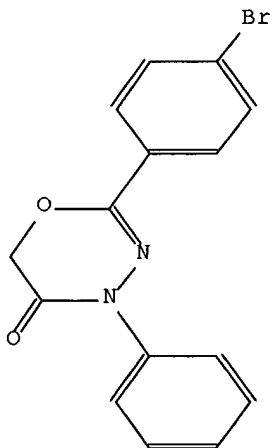
Reference(s):

1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN:
RTCPA3

Note(s):
2. Handbook Data

L8 ANSWER 47 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 258638 Beilstein
Molecular Formula (MF): C15 H11 Br N2 O2
Chemical Name (CN): 2-<4-bromo-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-
one
2-<4-Brom-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-
on
Autonom Name (AUN): 2-(4-bromo-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-
one
Beilstein Reference (SO): 4-27-00-07489
Formula Weight (FW): 331.17
Lawson Number (LN): 32109; 16435



Preparation:

PRE

Detail: BRN=261838

Reference(s):

1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

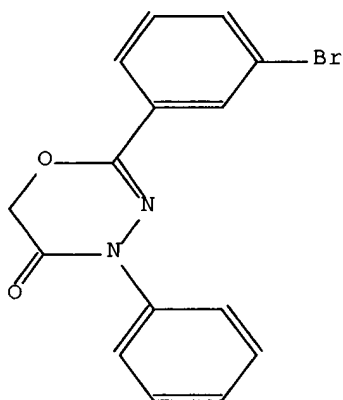
Note(s):

2. Handbook Data

L8 ANSWER 48 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 258633 Beilstein
Molecular Formula (MF): C15 H11 Br N2 O2

Chemical Name (CN): 2-<3-bromo-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-one
 2-<3-Brom-phenyl>-4-phenyl-4H-<1,3,4>oxadiazin-5-on
 Autonom Name (AUN): 2-(3-bromo-phenyl)-4-phenyl-4H-<1,3,4>oxadiazin-5-one
 Beilstein Reference (SO): 4-27-00-07489
 Formula Weight (FW): 331.17
 Lawson Number (LN): 32109; 16435



Preparation:

PRE

Detail: BRN=261838

Reference(s):

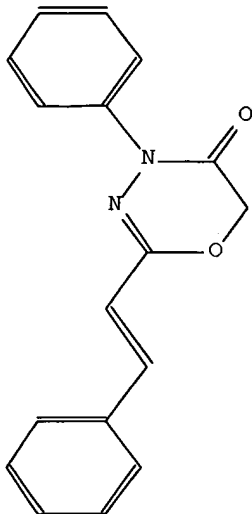
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 330, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 49 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 250478 Beilstein
 Molecular Formula (MF): C17 H14 N2 O2
 Chemical Name (CN): 4-phenyl-2-styryl-4H-<1,3,4>oxadiazin-5-one
 4-Phenyl-2-styryl-4H-<1,3,4>oxadiazin-5-on
 Autonom Name (AUN): 4-phenyl-2-styryl-4H-<1,3,4>oxadiazin-5-one
 Beilstein Reference (SO): 2-27-00-00715
 Formula Weight (FW): 278.31
 Lawson Number (LN): 32110; 16435



Preparation:

PRE

Start: BRN=648780 .beta.-cinnamoyl-phenylhydrazine , BRN=605439
chloroacetyl chloride

Reag: benzene

Detail: Erhitzen des Reaktionsprodukts mit Kaliumcarbonat in Aceton im
Rohr auf 100grad

Reference(s):

1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 170, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 50 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 249699 Beilstein

Molecular Formula (MF): C10 H9 N3 O4

Chemical Name (CN): 2-methyl-4-(4-nitro-phenyl)-4H-<1,3,4>oxadiazin-
5-

one

2-Methyl-4-(4-nitro-phenyl)-4H-<1,3,4>oxadiazin-

5-

on

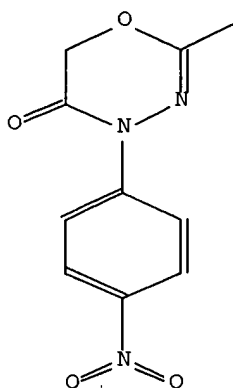
Autonom Name (AUN): 2-methyl-4-(4-nitro-phenyl)-4H-<1,3,4>oxadiazin-
5-

one

Beilstein Reference (SO): 4-27-00-07448

Formula Weight (FW): 235.20

Lawson Number (LN): 32090; 16436



Preparation:

PRE

Detail: BRN=192094

Reference(s):

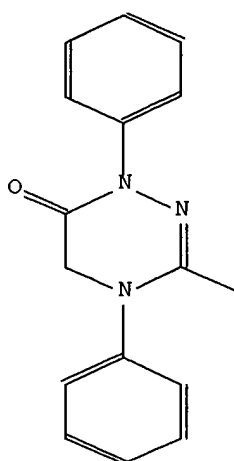
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 327, 336,
CODEN: RTCPA3

Note(s):

2. Handbook Data

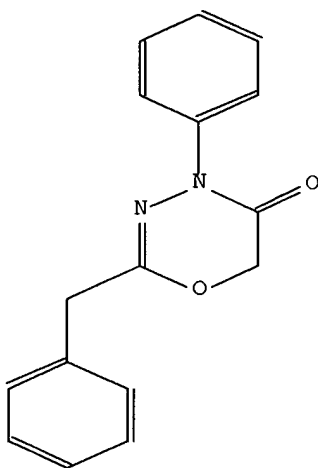
L8 ANSWER 51 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN):	238029 Beilstein
Molecular Formula (MF):	C16 H15 N3 O
Chemical Name (CN):	3-methyl-1,4-diphenyl-4,5-dihydro-1H-
<1,2,4>triazin-	6-one
	3-Methyl-1,4-diphenyl-4,5-dihydro-1H-
<1,2,4>triazin-	6-on
Autonom Name (AUN):	3-methyl-1,4-diphenyl-4,5-dihydro-1H-
<1,2,4>triazin-	6-one
Beilstein Reference (SO):	4-26-00-00429
Formula Weight (FW):	265.31
Lawson Number (LN):	30098; 16435; 14131



L8 ANSWER 52 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN):	237249 Beilstein
Molecular Formula (MF):	C16 H14 N2 O2
Chemical Name (CN):	2-benzyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one 2-Benzyl-4-phenyl-4H-<1,3,4>oxadiazin-5-on
Synonym (SY):	5-Oxo-4-phenyl-2-benzyl-5,6-dihydro-4H-<1,3,4>oxadiazin
Autonom Name (AUN):	2-benzyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
Beilstein Reference (SO):	3-15-00-00169
Formula Weight (FW):	266.30
Lawson Number (LN):	32109; 16435



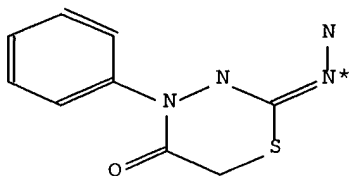
Preparation:

PRE

Start: BRN=3386177 N-chloroacetyl-N-phenyl-N'-phenylacetyl-hydrazine
Reag: potassium carbonate, acetone
ByProd: BRN=787493 phenylacetic acid-<N'-phenyl-hydrazide>
Reference(s):
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 328, CODEN: RTCPA3
Note(s):
2. Handbook Data

L8 ANSWER 53 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 217557 Beilstein
Molecular Formula (MF): C9 H10 N4 O S
Chemical Name (CN): 4-phenyl-dihydro-<1,3,4>thiadiazin-2,5-dione-2-hydrazone
4-Phenyl-dihydro-<1,3,4>thiadiazin-2,5-dion-2-hydrazon
Autonom Name (AUN): 2-hydrazono-4-phenyl-<1,3,4>thiadiazinan-5-one
Beilstein Reference (SO): 2-27-00-00762
Formula Weight (FW): 222.26
Lawson Number (LN): 32124; 16435



Preparation:

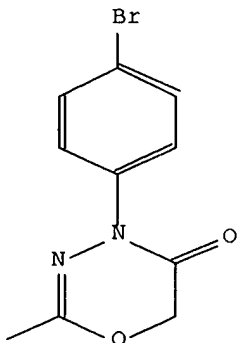
PRE

Start: BRN=642867 1-phenyl-thiocarbohydrazide, BRN=506455 chloroacetic acid ester
Reag: sodium ethylate
Reference(s):
1. Guha; Roy-Choudhury, J.Indian Chem.Soc., 5 <1928>, 160, CODEN: JICSAH Centralblatt, 1928 II, 990
Note(s):
2. Handbook Data

L8 ANSWER 54 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 192094 Beilstein
Molecular Formula (MF): C10 H9 Br N2 O2
Chemical Name (CN): 4-<4-bromo-phenyl>-2-methyl-4H-<1,3,4>oxadiazin-5-one
one

on
 4-<4-Brom-phenyl>-2-methyl-4H-<1,3,4>oxadiazin-5-
 Autonom Name (AUN): 4-(4-bromo-phenyl)-2-methyl-4H-<1,3,4>oxadiazin-
 5-
 one
 Beilstein Reference (SO): 4-27-00-07448
 Formula Weight (FW): 269.10
 Lawson Number (LN): 32090; 16436



Preparation:

PRE

Start: BRN=3343964 N'-acetyl-N-<4-bromo-phenyl>-N-chloroacetyl-
 hydrazine

Reag: K₂CO₃, acetone

Reference(s):

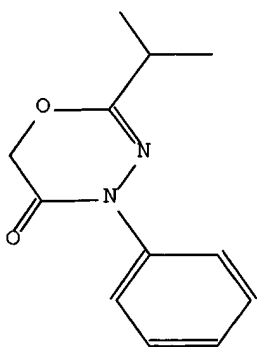
1. Hoppenbrouwers, Recl.Trav.Chim.Pays-Bas, 53 <1934> 325, 327, 329,
 CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 55 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 186738 Beilstein
 Molecular Formula (MF): C₁₂ H₁₄ N₂ O₂
 Chemical Name (CN): 2-isopropyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
 2-Isopropyl-4-phenyl-4H-<1,3,4>oxadiazin-5-on
 Autonom Name (AUN): 2-isopropyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
 Beilstein Reference (SO): 2-27-00-00691
 Formula Weight (FW): 218.25
 Lawson Number (LN): 32101; 16435



Preparation:

PRE

Start: BRN=640893 .beta.-isobutyryl-phenylhydrazine , BRN=1209323
bromoacetyl chloride

Reference(s):

1. van Alphen, Recl.Trav.Chim.Pays-Bas, 47 <1928>, 912, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 56 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 183434 Beilstein

Molecular Formula (MF): C12 H14 N2 O2

Chemical Name (CN): 6-ethyl-2-methyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

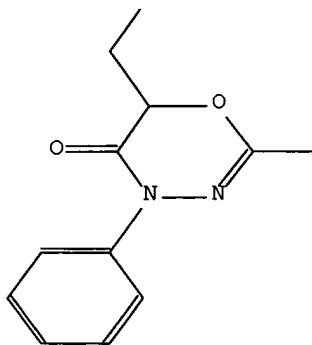
6-Aethyl-2-methyl-4-phenyl-4H-<1,3,4>oxadiazin-5-on

Autonom Name (AUN): 6-ethyl-2-methyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Beilstein Reference (SO): 2-27-00-00691

Formula Weight (FW): 218.25

Lawson Number (LN): 32101; 16435



Preparation:

PRE

Start: BRN=742880 .beta.-acetyl-phenyl-hydrazine , BRN=1720955
.alpha.-bromo-butyryl bromide

Reference(s):

1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 164, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 57 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 175262 Beilstein

Molecular Formula (MF): C12 H14 N2 O2

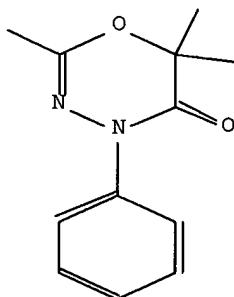
Chemical Name (CN): 2,6,6-trimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Autonom Name (AUN): 2,6,6-Trimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
2,6,6-trimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Beilstein Reference (SO): 2-27-00-00691

Formula Weight (FW): 218.25

Lawson Number (LN): 32102; 16435



Preparation:

PRE

Start: BRN=742880 .beta.-acetyl-phenyl-hydrazine , BRN=1746128
.alpha.-bromo-isobutyryl bromide

Reference(s):

1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 165, CODEN: RTCPA3

Note(s):

2. Handbook Data

L8 ANSWER 58 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

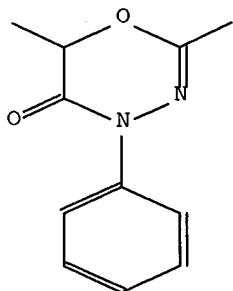
Beilstein Reg. No. (BRN): 168772 Beilstein

Molecular Formula (MF): C11 H12 N2 O2

Chemical Name (CN): 2,6-dimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one
2,6-Dimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Autonom Name (AUN): 2,6-dimethyl-4-phenyl-4H-<1,3,4>oxadiazin-5-one

Beilstein Reference (SO): 2-27-00-00691
Formula Weight (FW): 204.23
Lawson Number (LN): 32100; 16435



Preparation:

PRE

Start: BRN=742880 .beta.-acetyl-phenylhydrazine , BRN=1071331
DL-.alpha.-bromo-propionyl bromide
Reag: benzene
Detail: Erhitzen des Reaktionsprodukts mit Kaliumcarbonat in Aceton im
Rohr auf 100grad
Reference(s):
1. van Alphen, Recl.Trav.Chim.Pays-Bas, 48 <1929>, 163, CODEN: RTCPA3
Note(s):
2. Handbook Data

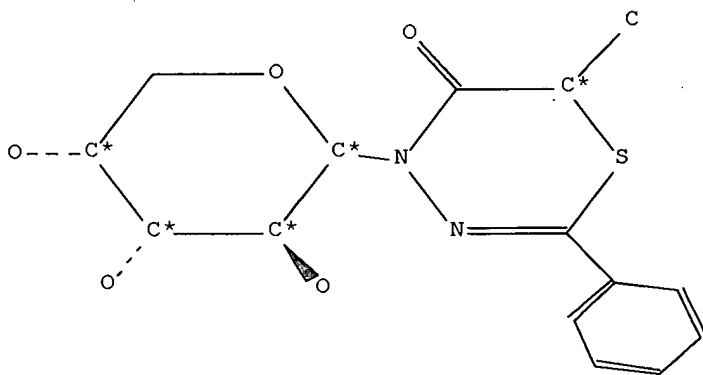
L8 ANSWER 59 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 167684 Beilstein
Molecular Formula (MF): C9 H9 N3 O S
Chemical Name (CN): 2-amino-4-phenyl-4H-<1,3,4>thiadiazin-5-one
2-Amino-4-phenyl-4H-<1,3,4>thiadiazin-5-on
Autonom Name (AUN): 2-amino-4-phenyl-4H-<1,3,4>thiadiazin-5-one
Beilstein Reference (SO): 1-27-00-00601
Formula Weight (FW): 207.25
Lawson Number (LN): 32268; 16435

Reag: potassium carbonate, acetone
Temp: 100.0 Cel
Detail: im Rohr
Reference(s):
1. van Alphen, Recl.Trav.Chim.Pays-Bas, 47 <1928>, 911, CODEN: RTCPA3
Note(s):
2. Handbook Data

L8 ANSWER 61 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 95197 Beilstein
Molecular Formula (MF): C15 H18 N2 O5 S
Chemical Name (CN): 4-.xi.-D-arabinopyranosyl-6.xi.-methyl-2-phenyl-4H-<1,3,4>thiadiazin-5-one
4H-4-.xi.-D-Arabinopyranosyl-6.xi.-methyl-2-phenyl-<1,3,4>thiadiazin-5-on
Autonom Name (AUN): 6-methyl-2-phenyl-4-(3,4,5-trihydroxy-tetrahydro-pyran-2-yl)-4H-<1,3,4>thiadiazin-5-one
Beilstein Reference (SO): 4-27-00-07493
General Comments (NTE): Stereo compound
Rltd. Stereoisomers (RSI): 95196
Formula Weight (FW): 338.38
Lawson Number (LN): 32105; 20749



Preparation:

PRE

Start: D-arabinose-thiobenzoylhydrazone, BRN=1720263 (+)-2-bromo-propionic acid

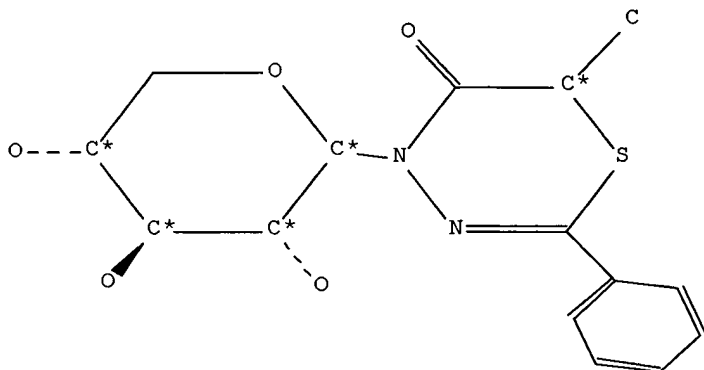
Reference(s):

1. Holmberg, Ark.Kemi, 4 <1952> 33, 84, 86, CODEN: ARKEAD

Note(s):

2. Handbook Data

Beilstein Reg. No. (BRN): 95196 Beilstein
Molecular Formula (MF): C15 H18 N2 O5 S
Chemical Name (CN): 6.xi.-methyl-2-phenyl-4-.xi.-D-xylopyranosyl-4H-<1,3,4>thiadiazin-5-one
6.xi.-Methyl-2-phenyl-4-.xi.-D-xylopyranosyl-4H-<1,3,4>thiadiazin-5-on
Autonom Name (AUN): 6-methyl-2-phenyl-4-(3,4,5-trihydroxy-tetrahydro-pyran-2-yl)-4H-<1,3,4>thiadiazin-5-one
Beilstein Reference (SO): 4-27-00-07493
General Comments (NTE): Stereo compound
Rltd. Stereoisomers (RSI): 95197
Formula Weight (FW): 338.38
Lawson Number (LN): 32105; 20749



Preparation:

PRE

Detail: BRN=95197

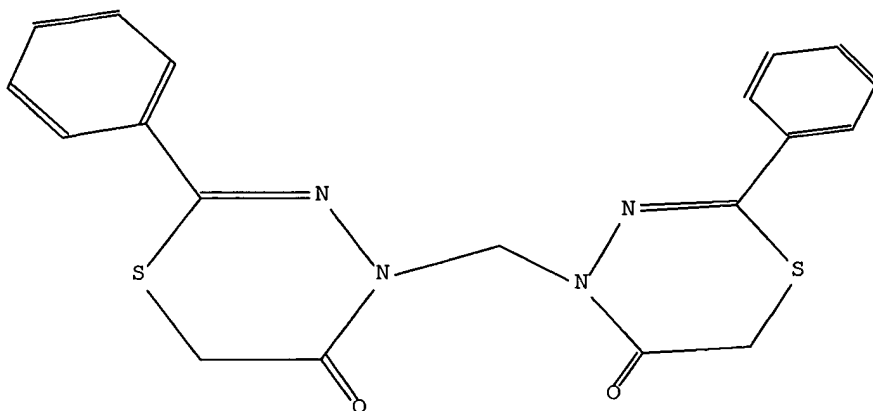
Reference(s):

1. Holmberg, Ark.Kemi, 4 <1952> 33, 84, 86, CODEN: ARKEAD

Note(s):

2. Handbook Data

Beilstein Reg. No. (BRN): 59690 Beilstein
Molecular Formula (MF): C19 H16 N4 O2 S2
Chemical Name (CN): 2,2'-diphenyl-4H,4'H-4,4'-methanediyl-bis-<1,3,4>thiadiazin-5-one
2,2'-Diphenyl-4H,4'H-4,4'-methandiyl-bis-<1,3,4>thiadiazin-5-on
Beilstein Reference (SO): 4-27-00-07489
Formula Weight (FW): 396.48
Lawson Number (LN): 32111; 689



Preparation:

PRE

Start: BRN=3236240 thiobenzoic acid methylenhydrazide, BRN=506167
bromoacetic acid

Reag: aqueous NaOH

ByProd: BRN=335782 bis-<5-phenyl-<1,3,4>thiadiazol-3-yl>-methane

Reference(s):

1. Holmberg, Ark.Kemi, 9 <1956> 47, 62, CODEN: ARKEAD

Note(s):

2. Handbook Data

L8 ANSWER 64 OF 64 COPYRIGHT 2002 BEILSTEIN CDS MDLI

Beilstein Reg. No. (BRN): 46956 Beilstein

Molecular Formula (MF): C16 H20 N2 O5 S

Chemical Name (CN): 6.xi.-methyl-2-phenyl-4-.xi.-L-rhamnopyranosyl-
4H-

<1,3,4>thiadiazin-5-one

6.xi.-Methyl-2-phenyl-4-.xi.-L-rhamnopyranosyl-
4H-

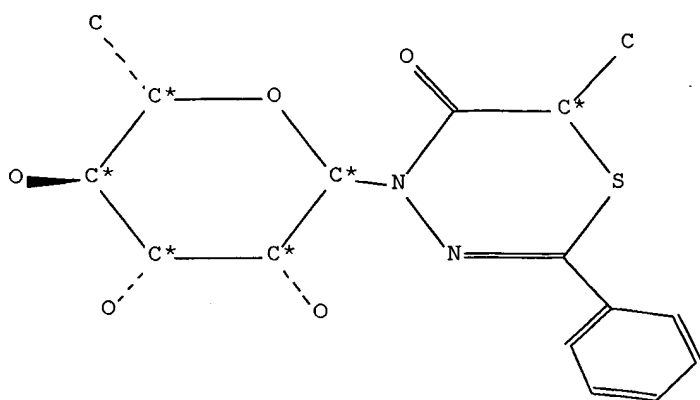
<1,3,4>thiadiazin-5-on

Autonom Name (AUN): 6-methyl-2-phenyl-4-(3,4,5-trihydroxy-6-methyl-
tetrahydro-pyran-2-yl)-4H-<1,3,4>thiadiazin-5-one
Beilstein Reference (SO): 4-27-00-07493

General Comments (NTE): Stereo compound

Formula Weight (FW): 352.40

Lawson Number (LN): 32105; 20751



Preparation:

PRE

Detail: BRN=95197

Reference(s):

1. Holmberg, Ark.Kemi, 4 <1952> 33, 84, 86, CODEN: ARKEAD

Note(s):

2. Handbook Data



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No.	Doccode	Number of pages
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2	892	1
3	NPL	6
4	NPL	4
5	1449	1

Total number of pages: 20

Remarks:

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